

## AMENDMENTS TO THE CLAIMS

1.-4. (Cancelled).

5. (Currently Amended) The foreign material removing system as set forth in claim 9, wherein:

the power source causes ~~the~~a direct current voltage of ~~the~~a superimposing voltage to be equimultiple of or higher than ~~an~~a break-down voltage.

6. (Currently Amended) The foreign material removing system as set forth in claim 9, wherein:

the printing apparatus includes a transcription section for transcribing an image that is formed on the image holding body, onto a sheet by a transcription bias, and

the power source causes ~~the~~a direct current voltage of ~~the~~a superimposing voltage to have the same polarity as the transcription bias.

7. (Cancelled).

8. (Currently Amended) The foreign material removing system as set forth in claim 9, wherein:

the power source causes ~~the~~an alternating current voltage of ~~the~~a superimposing voltage to have a frequency that is approximately equimultiple to or approximately a half of a character frequency of the agitating member.

9. (Previously Presented) A foreign material removing system for removing foreign material left over on an image holding body of an electronic photography type printing apparatus, the foreign material removing system comprising:

a power source;

an agitating member for agitating the foreign material that is on the image holding body;  
and

an attracting section for attracting the agitated foreign material by an attraction bias,  
the agitating member being electrified in accordance with a voltage applied thereon from  
the power source, and

the power source alternately switching polarity of the electrified agitating member,  
wherein polarity of the electrification of the agitating member is alternately switched over when  
the agitating member touches a non-image region of the image holding body.

10. (Original) The foreign material removing system as set forth in Claim 9, comprising:  
a transcription section for transcribing the image that is formed on the image holding  
body, onto a sheet by a transcription bias, the transcription section preventing the transcription  
bias from being applied onto the non-image region.

11. – 19. (Canceled).

20. (Previously Presented) The foreign material removing system as set forth in claim 21,  
wherein:

the cleaning section is conductive, and includes an earth system for discharging, from the  
cleaning section, an electric charge that is generated in the cleaning section.

21. (Previously Presented) A foreign material removing system for removing foreign  
material left over on an image holding body of an electronic photography type printing  
apparatus, the foreign material removing system comprising:

an electrification roller for (i) performing *against rotation* with respect to the image  
holding body, (ii) electrifying the image holding body by an electrification bias, and (iii)  
attracting the foreign material that is on the image holding body; and

a cleaning section for cleaning a surface of the electrification roller by removing the  
foreign material thus attracted onto the electrification roller, wherein:

the cleaning section is made of a plate or a film, which touches the surface of the electrification roller, and wherein the surface of the electrification roller is made of a raw material having a mold-lubricant property.

22. (Previously Presented) The foreign material removing system as set forth in claim 21, wherein:

the electrification bias is a superimposing voltage prepared by superimposing an alternating current voltage on a direct current voltage.

23. (Previously Presented) The foreign material removing system as set forth in claim 21, wherein:

a magnetic field is formed on the electrification roller.

24. (Previously Presented) The foreign material removing system as set forth in claim 21, comprising:

an electrification adjusting member for electrifying an amount of electrification of the foreign material that is on the image holding body, so as to render the foreign material to have opposite polarity to the electrification bias.

25. (Previously Presented) The foreign material removing system as set forth in claim 21, comprising:

a development roller for developing an electrostatic latent image formed on the image holding body, and for attracting the foreign material left over on the image holding body.

26. (Previously Presented) The foreign material removing system as set forth in claim 21, wherein:

a narrowest gap between the electrification roller and the image holding body is less than a thickness of a sheet used in the printing apparatus, and greater than a particle diameter of a toner contained in a developer.

27. (Previously Presented) The foreign material removing system as set forth in claim 21, wherein:

a developer used in the printing apparatus is a two-component developer containing a toner and a carrier, and

a narrowest gap between the electrification roller and the image holding body is less than a particle diameter of the carrier, and greater than a particle diameter of the toner.

28. – 31. (Canceled).

32. (Currently Amended) A method of removing foreign material left over on an image holding body of an electronic photography type printing apparatus, the method comprising the steps of:

electrifying and removing the foreign material on the image holding body, by rendering ~~the an~~ electrification roller of the printing apparatus to perform *against rotation* with respect to the image holding body, electrifying the image holding body by an electrification bias, and attracting, onto the electrification roller, the foreign material that is on the image holding body;

cleaning a surface of the electrification roller by removing the foreign material thus attracted onto the electrification roller; and

developing and attracting, the developing being performed by using a development roller of the printing apparatus, so as to develop an electrostatic latent image that is formed on the image holding body, and the attracting being performed so as to attract the foreign material left over on the image holding body.

33. (Canceled).

34. (Previously Presented) The printing apparatus as set forth in claim 39, wherein:

a narrowest gap between the facing surfaces is less than a thickness of the transcription materials, and greater than a particle diameter of a toner that is the left-over developer component.

35. (Previously Presented) The printing apparatus as set forth in claim 39,

the printing apparatus being of two-component development type in which a two-component developer containing toner and a carrier is used,

a narrowest gap between the facing surfaces being less than a thickness of the carrier that is the left-over developer component, and greater than a particle diameter of the toner that is the left-over developer component.

36. (Previously Presented) The printing apparatus as set forth in claim 39, wherein:

a voltage prepared by superimposing an alternating voltage on a direct current voltage, is applied on the electrification member.

37. (Previously Presented) The printing apparatus as set forth in claim 39, wherein:

a magnetic field is formed on the electrification member.

38. (Canceled).

39. (Currently Amended) A printing apparatus comprising (a) an image holding body for holding, on a surface thereof, a latent image, (b) an electrification apparatus for electrifying the image holding body by applying a voltage onto an electrification member, which is so located around the image holding body that the electrification member does not touch the surface of the image holding body, (c) a development means for developing, by using a developer containing at least toner, a latent image that is formed on the surface of the image holding body by electrification charge, so as to convert the latent image into a toner image, (d) foreign material agitating means, in upstream of the electrification member with respect to a direction of rotation

of the image holding body, for agitating foreign material that is on the image holding body, and (e) transcription means for transcribing, onto a transcription material, the toner image thus formed on the image holding body, wherein the electrification apparatus is an apparatus for electrifying and cleaning, the apparatus (a) causing the electrification member to attract a left-over developer component that is left over on the image holding body after the transcription, so as to remove the left-over developer component from the image holding body, and (b) electrifying the image holding body, and the electrification member and the image holding body rotating in such a manner that, in a place where a distance between the electrification member and the image holding body is shortest, facing surfaces thereof move in opposite directions.

40. (Original) The printing apparatus as set forth in Claim 39, wherein:

the foreign material agitating means includes electric charge adjusting means for adjusting an electric charge of the left-over developer component, (a) in case of reversal development, by applying a bias that has opposite polarity to main electrification polarity of the toner, or that has the same polarity as a transcription bias, and (b) in case of normal development, by applying a bias that has the same polarity as the main electrification polarity of the toner, or that has opposite polarity to the transcription bias.

41. (Original) The printing apparatus as set forth in Claim 39, wherein:

the foreign material agitating means includes a conductive brush.

42. (Previously Presented) The printing apparatus as set forth in claim 39 wherein:

the development means is an apparatus for developing and cleaning, the apparatus including unremoved left-over developer component recovery means for recovering the left-over developer component that is left over on and has not removed from the image holding body after passing the electrification apparatus.

43. (Previously Presented) The printing apparatus as set forth in claim 39, wherein:

the image holding body has a peripheral velocity that is in a ratio with a peripheral velocity of developer supplying means.

44. (Currently Amended) The printing apparatus as set forth in claim 39, wherein:

~~the~~ a developer supplying means is so located that the developer supplying means rotates in such a manner that, in a place where a distance between the developer supplying means and the image holding body is shortest, facing surface thereof move in opposite directions.

45. (Currently Amended) A printing method using a printing apparatus including (a) an image holding body for holding, on a surface thereof, a latent image, (b) an electrification apparatus for electrifying the image holding body by applying a voltage onto an electrification member, which is so located around the image holding body that the electrification member does not touch the surface of the image holding body, (c) development means for developing, by using a developer containing at least toner, a latent image that is formed on the surface of the image holding body by electrification charge, so as to convert the latent image into a toner image, and (d) transcription means for transcribing, onto a transcription material, the toner image thus formed on the image holding body, the printing method comprising the steps of:

rotating the electrification member and the image holding body respectively in such a manner that, in a place where a distance between ~~the~~ a developer supplying means and the image holding body is shortest, facing surfaces thereof move in opposite directions; and

attracting and electrifying, the attracting being performed so as to attract a left-over developer component that is left over on the image holding body after transcription, so as to remove the left-over developer component from the image holding body, and the electrifying being performed to electrify the image holding body.

46. (Original) The printing method as set forth in Claim 45, wherein:

a narrowest gap between the electrification member and the image holding body is less than a thickness of the transcription material, and is greater than a particle diameter of the toner that is the left-over developer component.

47. (Original) The printing method as set forth in Claim 45, wherein:

in case where a two-component developer containing the toner and a carrier is used as the developer, a narrowest gap between the electrification member and the image holding body is less than a particle diameter of the carrier that is the left-over developer component, and greater than a particle diameter of the toner that is the left-over developer component.

48. (Original) The printing method as set forth in Claim 45, wherein:

a voltage prepared by superimposing an alternating current voltage on a direct current voltage is applied on the electrification member.

49. (Original) The printing method as set forth in Claim 45, wherein:

a magnetic field is formed on the electrification member.

50. (Original) The printing method as set forth in Claim 45, comprising the step of:

before the left-over developer component is attracted onto the electrification member and removed, adjusting an electric charge of the left-over developer component in advance, (a) in case of reversal development, by applying a bias that has opposite polarity to main electrification polarity of the toner, or that has the same polarity as a transcription bias, and (b) in case of normal development, by applying a bias that has the same polarity as the main electrification polarity of the toner, or that has opposite polarity to the transcription bias.

51. (Original) The printing method as set forth in Claim 45, comprising the step of:

recovering, by using the development means, the unremoved left-over developer component that is left over on and has not removed from the image holding body after passing the electrification apparatus.